

Title (en)

One-step process for the preparation of alcohols.

Title (de)

Verfahren zur Herstellung von Alkoholen (einstufig).

Title (fr)

Procédé de préparation d'alcools (en 1 étape).

Publication

**EP 0421196 A1 19910410 (DE)**

Application

**EP 90118079 A 19900920**

Priority

DE 3932332 A 19890928

Abstract (en)

The present invention relates to a process for preparing alcohols by reacting organic carbonyl compounds or mixtures containing organic carbonyl compounds with hydrogen at elevated temperature and, if necessary, at increased pressure using a supported catalyst containing nickel, aluminium oxide and zirconium dioxide. As carbonyl compounds, ketones, aldehydes and their derivatives are reacted at temperatures of 60 to 150 DEG C.

Abstract (de)

Die vorliegende Erfindung betrifft ein Verfahren zur Herstellung von Alkoholen durch Umsetzung organischer Carbonylverbindungen oder organische Carbonylverbindungen enthaltender Gemische mit Wasserstoff bei erhöhter Temperatur und gegebenenfalls erhöhtem Druck an einem Nickel, Aluminiumoxid und Zirkondioxid enthaltenden Trägerkatalysator. Als Carbonylverbindungen setzt man Ketone, Aldehyde sowie deren Derivate bei Temperaturen von 60 bis 150°C um.

IPC 1-7

**C07C 29/141; C07C 29/145; C07C 31/125**

IPC 8 full level

**B01J 23/755** (2006.01); **B01J 21/04** (2006.01); **B01J 21/06** (2006.01); **C07B 61/00** (2006.01); **C07C 29/141** (2006.01); **C07C 29/145** (2006.01); **C07C 29/153** (2006.01); **C07C 29/17** (2006.01); **C07C 31/02** (2006.01); **C07C 31/12** (2006.01); **C07C 31/125** (2006.01)

CPC (source: EP KR US)

**C07C 29/136** (2013.01 - KR); **C07C 29/141** (2013.01 - EP KR US); **C07C 29/145** (2013.01 - EP US); **C07C 29/172** (2013.01 - EP US); **C07C 31/02** (2013.01 - KR)

Citation (search report)

- [A] SU 1384329 A1 19880330 - UNIV MOSKOVSK [SU]
- [A] SU 759121 A1 19800830 - KAZAKHISK KHIM TEKH INST [SU]
- [A] FR 1165584 A 19581027 - THOMSON HOUSTON COMP FRANCAISE
- [A] US 4271323 A 19810602 - DURAND DANIEL, et al

Cited by

CN105664984A; US6124443A; EP0857730A3; EP0922687A1; US6096931A

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0421196 A1 19910410; EP 0421196 B1 19930317**; AT E86959 T1 19930415; AU 628657 B2 19920917; AU 6322590 A 19910411; BR 9004854 A 19910910; CA 2025829 A1 19910329; CA 2025829 C 19970826; DE 3932332 A1 19910411; DE 59001041 D1 19930422; ES 2055260 T3 19940816; JP H03120233 A 19910522; JP H064551 B2 19940119; KR 910006197 A 19910427; KR 920009041 B1 19921013; MX 172998 B 19940127; US 5684215 A 19971104; ZA 907584 B 19910731

DOCDB simple family (application)

**EP 90118079 A 19900920**; AT 90118079 T 19900920; AU 6322590 A 19900927; BR 9004854 A 19900927; CA 2025829 A 19900920; DE 3932332 A 19890928; DE 59001041 T 19900920; ES 90118079 T 19900920; JP 25047490 A 19900921; KR 900014755 A 19900918; MX 2247990 A 19900920; US 99919192 A 19921228; ZA 907584 A 19900921